

WHAT IS CLAIMED IS:

1 1. A telecommunications network (10) comprising a group call service server
2 (18) which facilitates a group call over a radio interface (32) between different user
3 equipment units in a defined group within the telecommunications network,
4 characterized in that the group call service server (18) handles a floor request from a
5 requesting user equipment unit (30) included in the group based on a media type
6 associated with the floor request.

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1 2. A telecommunications network (10) according to claim 1, wherein the group
2 call service server (18) prioritizes the floor request from the user equipment unit (30)
3 based on the media type.

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1 3. A telecommunications network (10) according to claim 1, wherein the group
2 call service server (18) comprises:

3 a queue (42) wherein the group call service server (18) queues the floor request
4 from the requesting user equipment;

5 a floor request handler (40) which prioritizes the floor request within the queue
6 942) based on the media type.

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1 4. A telecommunications network (10) according to claim 1, wherein the group
2 call service server (18) handles the floor request independently of application and/or
3 transport protocols used to convey the floor control messages.

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1 5. A telecommunications network (10) according to claim 1, wherein the group
2 call service is a Push-to-Talk over Cellular (PoC) and the group call service server (18)
3 comprises a PoC server.

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1 6. A telecommunications network (10) according to claim 1, wherein the floor
2 request comprises a floor request message which includes an indication of the media
3 type associated with the floor request and/or an indication of message size.

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1 7. A telecommunications network (10) according to claim 1, wherein the
2 requesting user equipment unit (30) is configured so that, while the requesting user

equipment receives a first service, a second media service which is associated with the request can be uploaded to the group call service server.

8. A telecommunications group call service, hosted by a telecommunications network (10) server, which facilitates a group call over a radio interface (32) between different user equipment units in a defined group within the telecommunications network, characterized in that the group call service handles a floor request from a requesting user equipment unit (30) included in the group based on a media type associated with the floor request.

9. A telecommunications service according to claim 8, wherein the group call service prioritizes the floor request from the requesting user equipment unit (30) based on the media type.

10. A telecommunications service according to claim 8, wherein the group call service queues the floor request from the requesting user equipment unit (30) and prioritizes the floor request within the queue (42) based on the media type.

11. A telecommunications service according to claim 8, wherein the group call service handles the floor request independently of application and/or transport protocols used to convey the floor control messages.

12. A telecommunications service according to claim 8, wherein the group call service is a Push-to-Talk over Cellular (PoC) which is hosted by a PoC server.

13. A telecommunications service according to claim 8, wherein the floor request comprises a floor request message which includes an indication of the media type associated with the floor request.

14. A telecommunications service according to claim 8, wherein the floor request comprises a floor request message which includes an indication of the media type associated with the floor request and/or an indication of message size.

15. A telecommunications service according to claim 8, wherein the requesting user equipment unit (30) is configured so that, while the requesting user equipment

3 receives a first service, a second media service which is associated with the request can
4 be uploaded to a group call service server.

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1 16. A method of operating a telecommunications group call service, hosted by a
2 telecommunications network, which facilitates a group call over a radio interface (32)
3 between different user equipment units in a defined group within the
4 telecommunications network, characterized by handling a floor request from a
5 requesting user equipment unit (30) included in the group based on a media type
6 associated with the floor request

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1 17. A method according to claim 16, further comprising prioritizing the floor
2 request from the requesting user equipment unit (30) based on the media type.

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1 18. A method according to claim 16, further comprising :
2 queuing the floor request from the requesting user equipment in a queue (42);
3 prioritizing the floor request within the queue (42) based on the media type.

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1 19. A method according to claim 16, further comprising handling the floor
2 request independently of application and/or transport protocols used to convey the floor
3 control messages.

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1 20. A method according to claim 16, wherein the group call service is a Push-to-
2 Talk over Cellular (PoC) and the group call service server (18) comprises a PoC server.

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1 21. A method according to claim 16, wherein the floor request comprises a floor
2 request message, and wherein the method further comprises including in the floor
3 request message an indication of the media type associated with the floor request.

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1 22. A method according to claim 16, wherein the floor request comprises a floor
2 request message, and wherein the method further comprises including in the floor
3 request message an indication of message size.

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1 23. A method according to claim 16, further comprising, while the requesting
2 user equipment receives a first service, uploading a second media service which is
3 associated with the request to a group call service server.